



ELSEVIER

Robotics and Autonomous Systems 16 (1995) 357–358

**Robotics and  
Autonomous  
Systems**

## Author index to volume 16

- Bachelder, I.A. and A.M. Waxman, A view-based neurocomputational system for relational map-making and navigation in visual environments 16 (1995) 267
- Bauer, R., Active manoeuvres for supporting the localisation process of an autonomous mobile robot 16 (1995) 36
- Chatila, R., Deliberation and reactivity in autonomous mobile robots 16 (1995) 197
- Chatila, R., *see* Devy, M. 16 (1995) 5
- Colombo, C., E. Kruse and P. Dario, Control of camera motions from the planning of image contours 16 (1995) 29
- Crowley, J.L., Integration and control of reactive visual processes 16 (1995) 17
- Crowley, J.L., Intelligent Robotics Systems – SIRS '94 16 (1995) 1
- Dario, P., *see* Colombo, C. 16 (1995) 29
- Dautenhahn, K., Getting to know each other—Artificial social intelligence for autonomous robots 16 (1995) 333
- Devy, M., R. Chatila, P. Fillatreau, S. Lacroix and F. Nashashibi, On autonomous navigation in a natural environment 16 (1995) 5
- Dillmann, R., *see* Wallner, F. 16 (1995) 47
- Dose, M., *see* Schöner, G. 16 (1995) 213
- Dubrawski, A., *see* Racz, J. 16 (1995) 73
- Edelman, G.M., *see* Verschure, P.F.M.J. 16 (1995) 247
- Engels, C., *see* Schöner, G. 16 (1995) 213
- Ferrell, C., A comparison of three insect-inspired locomotion controllers 16 (1995) 135
- Fillatreau, P., *see* Devy, M. 16 (1995) 5
- Floreano, D., *see* Mondada, F. 16 (1995) 183
- Gaussier, P. and S. Zrehen, Moving the Frontiers between Robotics and Biology (Editorial) 16 (1995) v
- Gaussier, P. and S. Zrehen, PerAc: A neural architecture to control artificial animals 16 (1995) 291
- Gonçalves, J.G.M., *see* Sequeira, V. 16 (1995) 81
- Kodjabachian, J. and J.-A. Meyer, Evolution and development of control architectures in animats 16 (1995) 161
- Kruse, E., *see* Colombo, C. 16 (1995) 29
- Lacroix, S., *see* Devy, M. 16 (1995) 5
- Matarić, M.J., Issues and approaches in the design of collective autonomous agents 16 (1995) 321
- Meyer, J.-A., *see* Kodjabachian, J. 16 (1995) 161
- Mondada, F. and D. Floreano, Evolution of neural control structures: some experiments on mobile robots 16 (1995) 183
- Nashashibi, F., *see* Devy, M. 16 (1995) 5
- Piasecki, M., Global localization for mobile robots by multiple hypothesis tracking 16 (1995) 93

- Racz, J. and A. Dubrawski, Artificial neural network for mobile robot topological localization 16 (1995) 73
- Reignier, P., Supervised incremental learning of fuzzy rules 16 (1995) 57
- Ribeiro, M.I., *see* Sequeira, V. 16 (1995) 81
- Schöner, G., M. Dose and C. Engels, Dynamics of behavior: theory and applications for autonomous robot architectures 16 (1995) 213
- Sequeira, V., J.G.M. Gonçalves and M.I. Ribeiro, 3D environment modelling using laser range sensing 16 (1995) 81
- Sporns, O., *see* Verschure, P.F.M.J. 16 (1995) 247
- Stewart, J., The implications for understanding high-level cognition of a grounding in elementary adaptive systems 16 (1995) 107
- Tononi, G., *see* Verschure, P.F.M.J. 16 (1995) 247
- Verschure, P.F.M.J., J. Wray, O. Sporns, G. Tononi and G.M. Edelman, Multilevel analysis of classical conditioning in a behaving real world artifact 16 (1995) 247
- Wallner, F. and R. Dillmann, Real-time map refinement by use of sonar and active stereo-vision 16 (1995) 47
- Waxman, A.M., *see* Bachelder, I.A. 16 (1995) 267
- Webb, B., Using robots to model animals: a cricket test 16 (1995) 117
- Wray, J., *see* Verschure, P.F.M.J. 16 (1995) 247
- Zrehen, S., *see* Gaussier, P. 16 (1995) 291
- Zrehen, S., *see* Gaussier, P. 16 (1995) v

## Subject index volume 16

Active contours	16 (1995) 29	Map building	16 (1995) 47
Active sensing	16 (1995) 47	Mediation between different robot tasks	16 (1995) 36
Animats	16 (1995) 161	Mobile robot	16 (1995) 47, 73, 93, 183, 197, 267
Artificial social intelligence	16 (1995) 333	Motion planning	16 (1995) 29
Autonomous agents	16 (1995) 183	Movement learning	16 (1995) 333
Autonomous mobile robots	16 (1995) 36	Multiple hypothesis tracking	16 (1995) 93
Autonomous navigation	16 (1995) 5	Multiple views	16 (1995) 81
Autonomous robots	16 (1995) 333	Multi-purpose model	16 (1995) 5
Autonomy	16 (1995) 107		
		Natural environment	16 (1995) 5
Behavioral control	16 (1995) 197	Navigation	16 (1995) 197, 291
Body images	16 (1995) 333	Neural building block	16 (1995) 291
		Neural networks	16 (1995) 73, 183
Classical conditioning	16 (1995) 247	Neuronal group selection	16 (1995) 247
Cognition	16 (1995) 107		
Communication	16 (1995) 107, 333	Objectivism	16 (1995) 107
Computationalism	16 (1995) 107		
Constructivism	16 (1995) 107	Perception	16 (1995) 5
Control architectures	16 (1995) 197	Place cells	16 (1995) 267
		Place recognition	16 (1995) 267
Darwin IV	16 (1995) 247		
Deliberation	16 (1995) 197	Range images	16 (1995) 81
Development	16 (1995) 161	Real-world artifact	16 (1995) 247
Diffuse ascending system	16 (1995) 247	Representation	16 (1995) 107
3D scene modelling	16 (1995) 81	Robot societies	16 (1995) 333
		Robot vision	16 (1995) 29
Evolution	16 (1995) 161		
		Sensor fusion	16 (1995) 47
Genetic algorithms	16 (1995) 183	Sensorimotor control	16 (1995) 161
Graph search	16 (1995) 93	Sensory-motor loop	16 (1995) 291
		Sonar sensors	16 (1995) 36
Hippocampus	16 (1995) 267	Surface reconstruction	16 (1995) 81
		Synaptic plasticity	16 (1995) 247
Imitation	16 (1995) 333	Synthetic neural modelling	16 (1995) 247
Kalman filtering	16 (1995) 93	Topological map-making	16 (1995) 267
Landmarks	16 (1995) 36	Value	16 (1995) 247
Laser sensing	16 (1995) 81	Vision	16 (1995) 291
Learning	16 (1995) 161	Visual navigation	16 (1995) 267
Localisation	16 (1995) 36	Visual servoing	16 (1995) 29
Localization	16 (1995) 73, 93		

1870-1871

1872-1873

1874-1875

1876-1877

1878-1879

1880-1881

1882-1883

1884-1885

1886-1887

1888-1889

1890-1891

1892-1893

1894-1895

1896-1897

1898-1899

1900-1901

1902-1903

1904-1905

1906-1907

1908-1909

1910-1911

1912-1913

1914-1915

1916-1917

1918-1919

1920-1921

1922-1923

1924-1925

1926-1927

1928-1929

1930-1931

1932-1933

1934-1935

1936-1937

1938-1939

1940-1941

1942-1943

1944-1945

1946-1947

1948-1949

1950-1951

1952-1953

1954-1955

1956-1957

1958-1959

